

## EPA Official Record

**Mail ID:** AACB7744-B8A8-4517-9587-AAB0036D8B53  
**From:** jfrantz@rangeresources.com  
**To:** Ford, Robert  
**Delivered Date:** 05/29/2013 06:18 PM EDT  
**Subject:** Re: Technical Criteria for Joint Site Selection [USGS HUC12 information]

Thanks Robert. We are meeting tomorrow to select some locations.

Sent from my iPhone

On May 29, 2013, at 4:00 PM, "Ford, Robert" <Ford.Robert@epa.gov<mailto:Ford.Robert@epa.gov>> wrote:

To all,

Included in this message is information on the definition of the "HUC12" hydrologic unit discussed during the May 23 meeting in Canonsburg, PA.

Descriptive Report: Federal Standards and Procedures for the National Watershed Boundary Dataset (WBD), available at <http://pubs.usgs.gov/tm/tm11a3/>.

Obtaining ESRI Shapefile (or other formats) for GIS overlay projections of HUC12 boundaries available at <http://datagateway.nrcs.usda.gov/>. Free FTP downloads are available for requested files; use "I Want To..." list of selections in bottom, right-hand corner of displayed web page to initiate the processing of selecting how to define the overall land area to be covered within the file. I presume that the desired file selection will be "Watershed Boundary Dataset Lines for HUC2-12", although there are other options. Alternatively, one can use the online USGS National Map Viewer (<http://viewer.nationalmap.gov/viewer/>) for an interactive view of the location of HUC12 (and other hydrologic unit) boundaries relative to potential site locations.

Sincerely,

Robert Ford

USEPA/ORD-Cincinnati, 513-569-7501

From: George Darakos [<mailto:George.Darakos@NETL.DOE.GOV>]

Sent: Tuesday, May 21, 2013 11:58 AM

To: Joe Frantz

Cc: Butler, Barbara; Ford, Robert; Gilliland, Alice; Alexandra Hakala; Daniel Soeder; Richard Hammack; sroy@rangeresources.com<mailto:sroy@rangeresources.com>;

tgaudlip@rangeresources.com<mailto:tgaudlip@rangeresources.com>

Subject: Technical Criteria for Joint Site Selection

Hi Joe,

We are looking forward to the meeting this Thursday. Over the past couple of days, we've developed the attached document to help with the discussion. It helps to identify key technical criteria we desire for the selection of the study site.

Below is the agenda that I sent to you last week. I've added some additional detail for logistics/timing. Did you have any changes/suggestions?

- Introductions
- Range Overview (to include potential sites)
- NETL Overview (describing overall research plan and how this site fits into that plan)
- EPA Overview (describing overall research plan and how this site fits into that plan)

- Logistics/Timing Discussion - drill schedules, desired schedule for research, and a general discussion to help answer any questions
- Recap Action Items/Next Steps

Please let me know if you have any questions.

Thanks again,

George

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